



Standards *Actions*

DOE Projects Canceled

The following DOE Technical Standards project was recently canceled. If you have any questions about this action, please contact the person listed below.

- *Worker Protection for Uranium Facilities*, Project Number SAFT-0058; Peter O'Connell, EH-52; 301-903-5641, Peter.O'Connell@eh.doe.gov. This project was superceded by *Guide of Good Practices for Occupational Radiological Protection in Uranium Facilities*, Project Number SAFT-0072.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of these documents are available on the Technical Standards Program (TSP) Web Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Work Smart Standards (WSS) Users Handbook*, Project Number MGMT-0002; Maggie Sturdivant, EH-31; 301-903-0077, Fax 301-903-0557, Maggie.Sturdivant@eh.doe.gov. Note: This document has been released for review and comment as well as for interim use. Comments are due June 1, 2000.
- *Industrial Hygiene Functional Area Qualification*, Project Number TRNG-0012; Norman Schwartz, EH-31; 301-903-2996, Fax 301-903-6172; Norm.Schwartz@eh.doe.gov. Comments are due December 14, 1999.
- *Backup Power Sources for Department of Energy Facilities*, Project Number EDCN-0002; John Fredlund, DP-45; 301-903-3059, Fax 301-903-7065, John.Fredlund@ns.doe.gov. Comments are due December 31, 1999.
- *Chemical Management Programs*, Project Number SAFT-0073; George Schlossnagle, EH-52; 301-903-9418, Fax 301-903-7773, George.Schlossnagle@eh.doe.gov. Comments are due December 27, 1999.

DOE Documents Recently Published

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375 or Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or Fax 703-605-6900.

Technical Standards Program Document Status as of 10/29/99

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	44	19	0

Total in process = 63

Copies of DOE Technical Standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent

electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, e-mail sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on the same may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- API 555, *Process Analyzers* (new standard) - November 23, 1999.



Visit the Technical Standards Program Web Site: <http://tis.eh.doe.gov/techstds/>

- ASSE 1013, *Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers* (new standard) - November 23, 1999.
- ASTM E176, *Terminology of Fire Standards* (revision of ANSI/ASTM E176-99) - December 7, 1999.
- ASTM E535, *Practice for Preparation of Fire-Test-Response Standards* (revision of ANSI/ASTM E535-93A) - December 7, 1999.
- ASTM E575, *Practice for Reporting Data from Structural Tests of Building Constructions, Elements, Connections, and Assemblies* [revision of ANSI/ASTM E575-83 (R1996)] - December 7, 1999.
- ASTM E917, *Practice for Measuring Life-Cycle Costs of Buildings and Building Systems* (revision of ANSI/ASTM E917-94) - December 7, 1999.
- ASTM E1039, *Test Method for Calibration and Characterization of Non-Concentrator Terrestrial Photovoltaic Reference Cells Under Global Irradiation* (revision of ANSI/ASTM E1039-94) - December 7, 1999.
- ASTM E1143, *Test Method for Determining the Linearity of a Photovoltaic Device Parameter with Respect to a Test Parameter* (revision of ANSI/ASTM E1143-94) - December 7, 1999.
- ASTM E1328, *Terminology Relating to Photovoltaic Solar Energy Conversion* (revision of ANSI/ASTM E1328-94) - December 7, 1999.
- ASTM E1596, *Test Methods for Solar Radiation Weathering of Photovoltaic Modules* (revision of ANSI/ASTM E1596-94) - December 7, 1999.
- ASTM F649, *Practice for Secondary Calibration of Airborne Particle Counter Using Comparison Procedures* (new standard) - December 7, 1999.
- ASTM Z7578Z, *Guide for Evaluating Water Leakage of Building Walls* (new standard) - December 7, 1999.
- ASTM Z7759Z, *Test Method for Wet Insulation Integrity Testing of Photovoltaic Arrays* (new standard) - December 7, 1999.
- ASTM Z7772Z, *Test Method for Air Leakage Rate of Building Materials* (new standard) - December 7, 1999.
- AWS B5.16:200X, *Specification for the Qualification of Welding Engineers* (new standard) - November 23, 1999.
- AWWA C651-99, *Disinfecting Water Mains* (revision of ANSI/AWWA C651-92) - November 23, 1999.
- FMRC FM 4450, *Test Method for Determination of Fuel Contribution Rates of Roof Deck Constructions* (new standard) - December 21, 1999.
- FMRC FM 4474, *Wind Uplift of Roof Assemblies Using Positive and/or Positive and Negative Differential Pressures* (new standard), December 21, 1999.
- IEEE 933-1999, *Guide for the Definition of Reliability Program Plans for Nuclear Power Generating Stations* (new standard) - December 21, 1999.
- IEEE C57.129-1999, *Trial Use General Requirements and Test Code for Oil-Immersed HVDC Converter Transformers* (new standard) - December 21, 1999.
- ISA dS77.44.01, *Fossil Fuel Plant Steam Temperature Control System - Drum Type* (revision of ANSI/ISA S77.44-1994) - November 23, 1999.

- NECA/EGSA 404, *Recommended Practice for Installing Generator Sets* (new standard) - December 21, 1999.
- UL 586, *Standard for Safety for High-Efficiency, Particulate, Air Filter Units* (revision of ANSI/UL 586-1990) - November 21, 1999.

The following American National Standards have been approved for publication: (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.)

- ANSI N13.35-1999, *Specifications for the Bottle Manikin Absorption Phantom* (new standard): September 21, 1999.
- ANSI/ANS 18.1-1999, *Radioactive Source Term for Normal Operation of Light Water Reactors* (revision of ANSI/ANS 18.1-1984): September 21, 1999.
- ANSI/ASME A120.1b-1999, *Safety Requirements for Powered Platforms for Building Maintenance* (supplement to ANSI/ASME A120.1-1996): September 20, 1999.
- ANSI/PMI 99-001-1999, *A Guide to the Project Management Body of Knowledge (PMBOK Guide)* (new standard): September 21, 1999.
- ANSI/UL 1-1999, *Standard for Safety for Flexible Metal Conduit* (revision of ANSI/UL 1-1993): September 16, 1999.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 50091-2:1995/prA1:1999, *Uninterruptible power systems (UPS) - Part 2: EMC requirements* - January 10, 2000.
- EN ISO 6946:1996/prA1, *Building components and building elements - Thermal resistance and thermal transmittance - Calculation method* (ISO 6946:1996) - December 26, 1999.
- ISO/DIS 6245, *Petroleum products - Determination of ash* - December 4, 1999.
- ISO/DIS 11119-2, *Gas cylinders of composite construction - Specification and test methods - Part 2: Fully wrapped fibre reinforced composite gas cylinders with load-metal liners* - December 25, 1999.
- ISO/DIS 13679, *Petroleum and natural gas industries - Testing procedures for casing and tubing connections* - January 7, 2000.
- ISO/DIS 15383, *Protective gloves for firefighters - Laboratory test methods and performance requirements* - December 11, 1999.
- ISO/DIS 15538, *Protective clothing for firefighters - Laboratory test methods and performance requirements for protective clothing with a reflective outer surface* - December 4, 1999.
- ISO/DIS 15590-1, *Petroleum and natural gas industries - Pipeline transportation systems - Part 1: Induction bends* - December 31, 1999.
- ISO/DIS 15630-1, *Steel for the reinforcement and prestressing of concrete - Test methods - Part 1: Reinforcing bars and wires* - December 25, 1999.
- ISO/DIS 16269-7, *Statistical interpretation of data - Part 7: Median - Estimation and confidence intervals* - December 11, 1999.
- prEN 12266-1, *Industrial valves - Testing of valves - Part 1: Tests, test procedures and acceptance criteria to be fulfilled by every valve* - November 19, 1999.
- prEN 13445-3, *Unfired pressure vessels - Part 3: Design* - December 15, 1999.

- prEN 13636, *Cathodic protection of buried metallic tanks and related piping* - December 15, 1999.
- prEN 50271:1999, *Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen - Requirements and tests for apparatus using software and/or digital technologies* - January 10, 2000.
- prEN 61140:1999, *Protection against electric shock - Common aspects for installation and equipment* (IEC 61140:1997) - January 10, 2000.
- prEN ISO 5349-2, *Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 2: Practical guidance for measurement in the workplace* (ISO/DIS 5349-2:1999) - December 19, 1999.
- prEN ISO 14031, *Environmental management - Environmental performance evaluation - Guidelines* (ISO/DOS 14031:1998) (for information).

The following newly published international standards are available:

- IEC 60684-3-409 Ed. 1.0 b:1999, *Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 409: Glass textile sleeving with polyurethane (PUR)-based coating*.
- IEC 61779-6 Ed. 1.0 en:1999, *Electrical apparatus for the detection and measurement of flammable gases - Part 6: Guide for the selection, installation, use and maintenance of apparatus for the detection and measurement of flammable gases*.
- ISO 5667-15:1999, *Water quality - Sampling - Part 15: Guidance on preservation and handling of sludge and sediment samples*.
- ISO 10012-1:1992, *Quality assurance requirements for measuring equipment - Part 1: Metrological confirmation system for measuring equipment*.
- ISO 11561:1999, *Ageing of thermal insulation materials - Determination of the long-term change in thermal resistance of closed-cell plastics (accelerated laboratory test methods)*.
- ISO 12715:1999, *Ultrasonic non-destructive testing - Reference blocks and test procedures for the characterization of contact search unit beam profiles*.
- ISO 13407:1999, *Human-centred design processes for interactive systems*.
- ISO 13431:1999, *Geotextiles and geotextile-related products - Determination of tensile creep and creep rupture behaviour*.
- ISO 13789:1999, *Thermal performance of buildings - Transmission heat loss coefficient - Calculation method*.
- ISO 13997:1999, *Protective clothing - Mechanical properties - Determination of resistance to cutting by sharp objects*.
- ISO 14224:1999, *Petroleum and natural gas industries - Collection and exchange of reliability and maintenance data for equipment*.
- ISO 14683:1999, *Thermal bridges in building construction - Linear thermal transmittance - Simplified methods and default values*.
- ISO GUIDE 64:1997, *Guide for the inclusion of environmental aspects in product standards*.
- ISO/TR 14696:1999, *Reaction to fire tests - Determination of fire parameters of materials, products and assemblies using an intermediate-scale heat release calorimeter (ICAL)*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Air-Conditioning and Refrigeration Institute

Office: 4301 North Fairfax Drive, Suite 425
Arlington, VA 22203

Fax: 703-524-9011

Contact: Michael Woodford, woodford@ari.org

- ARI 850-93, *Commercial and Industrial Air Filter Equipment* (new standard).

American Nuclear Society

Office: 555 North Kensington Avenue
La Grange Park, IL 60526-5592

Fax: 708-352-6464

Contact: Shawn Coyne-Nalbach, scoyne-nalbach@ans.org

- ANS 3.12.1, *Decommissioning of Nuclear Production and Utilization Facilities: Defueled Security Plan* (new standard).

American Water Works Association

Office: 6666 West Quincy Avenue
Denver, CO 80235

Fax: 303-795-7603

Contact: Bill Lauer, blauer@awwa.org

- AWWA G400, *Standard for Excellence in Wastewater Collection System Operation, Maintenance, and Management* (new standard).

American Welding Society

Office: 550 NW LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Contact: Charles Fassinger, chuck@aws.org

- AWS C5.11, *Recommended Practices for Electroslag Welding* (new standard).

Institute of Electrical and Electronics Engineers

Office: 445 Hoes Lane
Piscataway, NJ 08855-1331

Fax: 732-562-1571

Contact: Susan L. Vogel, s.vogel@ieee.org

- N42.28, *Performance Standard for In-Situ Measurements with Gamma-Ray Spectrometers* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are ex-

tracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:

(the due date for all items is November 10, 1999).

- New Standard, *Specification for Concrete Roof Tile* (Ref. Z3216Z).
- New Standard, *Specification for Photoluminescent (Phosphorescent) Safety Markings* (Ref. Z6374Z).
- New Standard, *Specification for the Performance of Non-Asbestos Fiber-Reinforced Cement Shake, Shingle and Slate Roofing Systems* (Ref. Z6535Z).
- New Standard, *Test Method for High Temperature Stability of Distillate Fuels* (Ref. Z8037Z).
- New Standard, *Specification for Precipitation-Hardening Bolting Materials for High-Temperature Service* (Ref. Z8060Z).

The following newly published standards are available from ASTM:

- C 717-98a, *Terminology of Building Seals and Sealants* (revised standard).
- D 1079-99a, *Terminology Relating to Roofing, Waterproofing, and Bituminous Materials* (revised standard).
- D 6418-99, *Practice for Using the Disposable EN Core Sample for Sampling and Storing Soil for Volatile Organic Analysis* (new standard).
- D 6420-99, *Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry* (new standard).

- D 6451-99, *Guide for Application of Asphalt-Based Protection Board* (new standard).
- E 1316-99a, *Terminology for Nondestructive Examinations* (revised standard).
- E 2013-99, *Practice for Constructing Fast Diagrams and Performing Function Analysis During Value Analysis Study* (new standard).
- E 2018-99, *Guide for Property Condition Assessments: Baseline Property Condition Assessment Process* (new standard).
- F 1872-98, *Guide for Use of Chemical Shoreline Cleaning Agents: Environmental and Operational Considerations* (new standard).
- PS 114-99, *Specification for Fire Suppression Towels* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: To update our distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, Fax 423-574-0382, mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, lj8@ornl.gov.



Standards *Actions*

United States Department of Energy
 ES&H Technical Information Service
 EH-72, 270CC
 19901 Germantown Road
 Germantown, MD 20874-1290